L Number	Hits	Search Text	DB	Time stamp
5	0	((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and (research same engine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:25
6	27	((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:28
7	0	((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and (research same plan)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:25
8	26	(((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:26
9	26	((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:28
10	23	(((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:29
11	22	((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:29
12	2	(((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:47
13	2	((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:34

14	0	(((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)) and (infrared adj thermography)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:35
15	2	(((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)) and chromatography	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:36
16	2	((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)) and chromatography) and day$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:38
17	1	(((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)) and chromatography) and day$1) and interactive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:47
18	1	((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument)) and (high adj throughput)) and chromatography) and day$1) and interactive) and inventor$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:47
19	2	(((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:47

20	1	((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:59
21	1	(((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:50
22	1	((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:51
23	1	(((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:51
24	1	((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:52

25	1	(((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:56
26	0	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemicatalysis same biocatalysis)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:53
27	0	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemicatalysis or biocatalysis)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:53
28	0	chemicatalysis same biocatalysis	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:53
29	587	chemicatalysis or biocatalysis	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:05
30	234	(chemicatalysis or biocatalysis) and @pd<=20000324	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:37

31	1	(((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:01
32	0	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 same intermediate$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:02
33	1	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:02
34	0	(((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (fine adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:17

35	1	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and fine	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 16:15
36	9154	fine adj chemical$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:04
37	34	(chemicatalysis or biocatalysis) and (fine adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:05
38	0	((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:17
39	4	((chemicatalysis or biocatalysis) and (fine adj chemical$1)) and (special$2 adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:06
40	12	((chemicatalysis or biocatalysis) and (fine adj chemical$1)) and special$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:07
41	0	(((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (commodity adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:17

42	0	((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (fine same chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:17
43	1	((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:17
44	0	(((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and (commodity same chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:33
45	1	(((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and polymer$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:26

46	1	(((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and electron$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:26
47	0	((((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and polymer$7) and electron$2 and (composit$2 same alloy$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:27
48	1	((((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and polymer$7) and electron$2 and (composit$2 or alloy$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:28
49	0	(((((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and polymer$7) and electron$2 and (composit$2 or alloy$1)) and (client$1 same server$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:28

50	1	(((((((((((((((((((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2) and research) and plan$4) and evaluat$4) and database$1) and configur$6) and (automat$2 same synthesis same instrument$1)) and (high adj throughput) and chromatography and day$1 and interactive and inventor$3 and estimat$3) and (time same cost)) and parameter$1) and (chemical$1 same physical)) and (computer same network)) and custom$8) and (chemical same synthetic)) and (pharmaceutical$1 or intermediate$1)) and (special$2 same chemical$1)) and polymer$7) and electron$2 and (composit$2 or alloy$1)) and (client$1 or server$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:29
51	2	((chemicatalysis or biocatalysis) and (fine adj chemical$1)) and (commodity same chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:37
52	3	((chemicatalysis or biocatalysis) and (fine adj chemical$1)) and commodity	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:36
53	1614	commodity same chemical$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:37
54	958	(commodity same chemical$1) and @pd<=20000324	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:38
55	367	((commodity same chemical$1) and @pd<=20000324) and (commodity adj chemical$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 15:38
-	9	(experiment$2 adj (design$1 or defin$3)) and (screen$3 adj method$1) and (process adj condition$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:50
-	3719	(experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:51
-	606	((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:52
-	461	(((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:53

-	459	((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:54
-	352	(((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 11:54
-	338	((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 12:21
-	334	((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 12:23
-	303	(((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 12:24
-	349	((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 12:23
-	317	(((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 12:24
-	27	((((((((experiment$2 same (design$1 or defin$3)) and (screen$3 same method$1) and (process$3 same condition$1)) and (library same material)) and (experiment$2 same result$1)) and product$1) and matri$2) and element$1 and set$1) and laborator$3) and (user same interfac$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/02/16 14:24

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Kuk-Han Yoon; Woo-Sung Cho; Jae-Hyun Park; Jae-Hee Ha; Jin-Won Park;
VLSI and CAD, 1999. ICVC '99. 6th International Conference on , 26-27 Oct.
Pages:155 - 158

[Abstract] [PDF Full-Text (268 KB)] **IEEE CNF**

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2 **Modeling the growth of PECVD silicon nitride films for solar cell applications using neural networks**
Seung-Soo Han; Li Cai; May, G.S.; Rohatgi, A.;
Semiconductor Manufacturing, IEEE Transactions on , Volume: 9 , Issue: 3 , 1996
Pages:303 - 311

[Abstract] [PDF Full-Text (1064 KB)] **IEEE JNL**

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3 **Statistical experimental design for MBE process characterization**
Lee, K.K.; Bicknell-Tassius, R.; Dagnall, G.; Brown, A.; May, G.;
Electronics Manufacturing Technology Symposium, 1996., Nineteenth IEEE/CPMT , 14-16 Oct. 1996
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4 **Recipe synthesis for PECVD SiO_2 films using neural networks and g algorithms**
Seung-Soo Han; May, G.S.;
Electronic Components and Technology Conference, 1996. Proceedings., 46th
31 May 1996

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[Abstract] [PDF Full-Text (708 KB)] **IEEE CNF**

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5 **The adaptive sensor concept: on-line modelling of the activated slu process with optimal in-sensor-experiments**
Vanrolleghem, P.A.;
Control Applications, 1994., Proceedings of the Third IEEE Conference on , 24 Aug. 1994
Pages:1017 - 1022 vol.2

[Abstract] [PDF Full-Text (468 KB)] **IEEE CNF**

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6 **Development of 0.5 and 0.65 mm pitch QFP technology in surface mounting**
Liu, J.; Tillstrom, A.;
Electronic Manufacturing Technology Symposium, 1993, Fifteenth IEEE/CHMT International , 4-6 Oct. 1993
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1 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems — 80%
Gordon B. Davis , John T. Gorgone , J. Daniel Couger , David L. Feinstein , Herbert E. Longenecker
ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems December 1997
Volume 28 Issue 1

2 Fast detection of communication patterns in distributed executions — 77%
Thomas Kunz , Michiel F. H. Seuren
Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research November 1997

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 Spoken dialogue technology: enabling the conversational user interface — 77%
ACM Computing Surveys (CSUR) March 2002
Volume 34 Issue 1

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in

the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

4 The state of the art in automating usability evaluation of user interfaces 77%
Melody Y. Ivory , Marti A Hearst
ACM Computing Surveys (CSUR) December 2001
Volume 33 Issue 4

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. This article presents an extensive survey of usability evaluation methods, organized according to a new taxonomy that emphasizes the role of automation. The survey analyzes existing techniques, identifies which aspects of usability evaluation aut ...

5 Computing curricula 2001 77%
Journal on Educational Resources in Computing (JERIC) September 2001

6 Computer-based systems for cooperative work and group decision making 77%
Kenneth L. Kraemer , John Leslie King
ACM Computing Surveys (CSUR) July 1988
Volume 20 Issue 2

Application of computer and communications technology to cooperative work and group decision making has grown out of three traditions: computer-based communications, computer:based information service provision, and computer-based decision support. This paper reviews the group decision support systems (GDSSs) that have been configured to meet the needs of groups at work, and evaluates the experience to date with such systems. Progress with GDSSs has proved to be slower than originally antic ...

7 Behavioral Aspects of Text Editors 77%
David W. Embley , George Nagy
ACM Computing Surveys (CSUR) January 1981
Volume 13 Issue 1

8 An integrated toolkit for enterprise modeling and analysis 77%
Dursun Delen , Perakath C. Benjamin , Madhav Erraguntla
Proceedings of the 31st conference on Winter simulation: Simulation---a bridge to the future - Volume 1 December 1999

9 Texture mapping 3D models of real-world scenes 77%
Frederick M. Weinhaus , Venkat Devarajan
ACM Computing Surveys (CSUR) December 1997
Volume 29 Issue 4

Texture mapping has become a popular tool in the computer graphics industry in the last few years because it is an easy way to achieve a high degree of realism in computer-generated imagery with very little effort. Over the last decade, texture-mapping techniques have advanced to the point where it is possible to generate real-

time perspective simulations of real-world areas by texture mapping every object surface with texture from photographic images of these real-world areas. The techniqu ...

10 Terrain database interoperability issues in training with distributed interactive simulation 77%

Guy A. Schiavone , S. Sureshchandran , Kenneth C. Hardis
ACM Transactions on Modeling and Computer Simulation (TOMACS) July 1997
Volume 7 Issue 3

In Distributed Interactive Simulation (DIS), each participating node is responsible for maintaining its own model of the synthetic environment. Problems may arise if significant inconsistencies are allowed to exist between these separate world views, resulting in unrealistic simulation results or negative training, and a corresponding degradation of interoperability in a DIS simulation exercise. In the DIS community, this is known as the simulator terrain database (TDB) correlation problem. ...

11 Reusable software components 77%

Trudy Levine
ACM SIGAda Ada Letters July 1996
Volume XVI Issue 4

12 Pen computing: a technology overview and a vision 77%

André Meyer
ACM SIGCHI Bulletin July 1995
Volume 27 Issue 3

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

13 CUTE: constrained and unconstrained testing environment 77%

I. Bongartz , A. R. Conn , Nick Gould , Ph. L. Toint
ACM Transactions on Mathematical Software (TOMS) March 1995
Volume 21 Issue 1

The purpose of this article is to discuss the scope and functionality of a versatile environment for testing small- and large-scale nonlinear optimization algorithms. Although many of these facilities were originally produced by the authors in conjunction with the software package LANCELOT, we believe that they will be useful in their own right and should be available to researchers for their development of optimization software. The tools can be obtained by anonymous ftp from a number of s ...

14 The interdisciplinary study of coordination 77%

Thomas W. Malone , Kevin Crowston
ACM Computing Surveys (CSUR) March 1994
Volume 26 Issue 1

This survey characterizes an emerging research area, sometimes called coordination theory, that focuses on the interdisciplinary study of coordination. Research in this area uses and extends ideas about coordination from disciplines such as computer science, organization theory, operations research, economics, linguistics, and

psychology. A key insight of the framework presented here is that coordination can be seen as the process of managing dependencies ...

15 Three-dimensional medical imaging: algorithms and computer systems 77%
M. R. Stytz , G. Frieder , O. Frieder
ACM Computing Surveys (CSUR) December 1991
Volume 23 Issue 4

16 Launching the new era 77%
Kazuhiro Fuchi , Robert Kowalski , Koichi Furukawa , Kazunori Ueda , Ken Kahn , Takashi Chikayama , Evan Tick
Communications of the ACM March 1993
Volume 36 Issue 3

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1 Personal computer networks and graphical animation: Rationale and practice for education — 80%
Marc Brown , Norman Meyrowitz
ACM SIGCSE Bulletin , Proceedings of the fourteenth SIGCSE technical symposium on Computer science education February 1983
Volume 15 Issue 1

This paper examines how progress in computer hardware and software may be applied to solve several serious problems in teaching computer science courses. It is concerned primarily with two such problems: 1) the lack of immediate reinforcement of computing concepts because of long delays between learning and practice, and 2) the difficulty instructors have motivating and explaining complex topics with currently available instruction tools and techniques. The paper first reviews the involveme ...

2 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems — 80%
Gordon B. Davis , John T. Gorgone , J. Daniel Couger , David L. Feinstein , Herbert E. Longenecker
ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems December 1997
Volume 28 Issue 1

3 Personal distributed computing: the Alto and Ethernet software — 77%
Butler Lampson

Proceedings of the ACM Conference on The history of personal workstations
January 1986

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.

4 An interdisciplinary laboratory for graphics research and applications 77%
Donald P. Greenberg
ACM SIGGRAPH Computer Graphics , Proceedings of the 4th annual conference on Computer graphics and interactive techniques July 1977
Volume 11 Issue 2

This paper describes the facilities and operation of the Program of Computer Graphics at Cornell University. A variety of graphic procedures are used for both input and output. The laboratory has the capability for producing dynamic vector displays and for generating full color images. Numerous research projects in a variety of disciplines which are actively using this multi-user graphics environment are presented.

5 Scanline rendering of parametric surfaces 77%
Dino Schweitzer , Elizabeth S. Cobb
ACM SIGGRAPH Computer Graphics , Proceedings of the 9th annual conference on Computer graphics and interactive techniques July 1982
Volume 16 Issue 3

A scanline algorithm is described which renders bicubic patches directly from the parametric description without producing a polygonal approximation. The algorithm is partially based on earlier work by Whitted. A primitive object, called a "curved-edge polygon", is defined, and an algorithm for breaking down a bicubic patch into the primitive objects is described. A general surface intersection method is employed to provide a robust silhouette edge detector. Shades are computed ...

6 Spatial input/display correspondence in a stereoscopic computer graphic work station 77%
Christopher Schmandt
ACM SIGGRAPH Computer Graphics , Proceedings of the 10th annual conference on Computer graphics and interactive techniques July 1983
Volume 17 Issue 3

An interactive stereoscopic computer graphic workspace is described. A conventional frame store is used for three-dimensional display, with left/right eye views interlaced in video and viewed through PLZT shutter glasses. The video monitor is seen reflected from a half silvered mirror which projects the graphics into a workspace, into which one can reach and manipulate the image directly with a "magic wand". The wand uses a magnetic six degree-of-freedom digitizer. In an alterna ...

7 A graphics editor for benesh movement notation 77%
Baldev Singh , John C. Beatty , Rhonda Ryman
ACM SIGGRAPH Computer Graphics , Proceedings of the 10th annual conference on Computer graphics and interactive techniques July 1983
Volume 17 Issue 3

This paper describes an interactive computerized editor for Benesh Movement Notation that aids in the preparation of dance scores on a medium resolution colour display. Benesh Movement Notation is a two-dimensional system for recording human

movement in three dimensions of space which has been successfully used in the preparation of scores for a wide repertoire of dances. The preparation and revision of Benesh scores is a lengthy and error-prone process which interactive ed ...

8 Music: Approximate matching algorithms for music information retrieval using vocal input 77%
Richard L. Kline , Ephraim P. Glinert
Proceedings of the eleventh ACM international conference on Multimedia November 2003

Effective use of multimedia collections requires efficient and intuitive methods of searching and browsing. This work considers databases which store music and explores how these may best be searched by providing input queries in some musical form. For the average person, humming several notes of the desired melody is the most straightforward method for providing this input, but such input is very likely to contain several errors. Previously proposed implementations of so-called *query-by-humm ...*

9 FLAME: Formal Linear Algebra Methods Environment 77%
John A. Gunnels , Fred G. Gustavson , Greg M. Henry , Robert A. van de Geijn
ACM Transactions on Mathematical Software (TOMS) December 2001
Volume 27 Issue 4

Since the advent of high-performance distributed-memory parallel computing, the need for intelligible code has become ever greater. The development and maintenance of libraries for these architectures is simply too complex to be amenable to conventional approaches to implementation. Attempts to employ traditional methodology have led, in our opinion, to the production of an abundance of anfractuous code that is difficult to maintain and almost impossible to upgrade.Having struggled with these is ...

10 Fast detection of communication patterns in distributed executions 77%
Thomas Kunz , Michiel F. H. Seuren
Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research November 1997

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11 APL programming: A psychological model 77%
Raymond C. Hooker
ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL June 1984
Volume 14 Issue 4

This paper seeks to provide insights into the psychological dynamics of programming in APL. These insights should allow the practitioner to better approach the APL programming environment and may stimulate more in-depth, empirical research into these psychological dynamics. The paper approaches APL both as a language and as a system which maps problems into solutions. The paper is analytical versus empirical in nature. The author draws on the plethora of work related to the topic of the pap ...

77%

12 Debugging concurrent programs
Charles E. McDowell , David P. Helmbold
ACM Computing Surveys (CSUR) December 1989
Volume 21 Issue 4

The main problems associated with debugging concurrent programs are increased complexity, the "probe effect," nonrepeatability, and the lack of a synchronized global clock. The probe effect refers to the fact that any attempt to observe the behavior of a distributed system may change the behavior of that system. For some parallel programs, different executions with the same data will result in different results even without any attempt to observe the behavior. Even when the behavior can be ...

13 A graphics interface for linear programming 77%
Pai-Chun Ma , Frederic H. Murphy , Edward A. Stohr
Communications of the ACM August 1989
Volume 32 Issue 8

We describe the interface to a software system that assists users in the process of formulating linear programming models. The main idea is to introduce a new representation that allows modelers to depict their problems in a graphical rather than mathematical form. This representation is described in detail together with a number of other interface design principles that we believe will aid modelers—including hierarchical decomposition, multiple model representations, alternative form ...

14 Navigating integrated facilities: initiating and terminating interaction sequences 77%
P. Barnard , A. MacLean , M. Wilson
Proceedings of the SIGCHI conference on Human factors in computing systems May 1988

Human performance data are reported for two dialogue conventions involving menu interactions with integrated facilities. Users prepared material for overhead foils in a six session experiment. An initiation style of dialogue in a flexible menu hierarchy was compared with a strict hierarchy involving explicit termination of dialogue sequences. Although tasks could be performed in the same number of steps with either interface, initiation had greater time and transaction costs than terminatio ...

15 Interactive program improvement via EAVE: an expert adviser for vectorization 77%
P. Bose
Proceedings of the 2nd international conference on Supercomputing June 1988

An example of a state-of-the-art high-end mainframe is the IBM 3090 VF; its associated compiler, the IBM VS Fortran (version 2) compiler, incorporates some of the latest techniques in automatic vectorization and code optimization. Advances in compiler technology not withstanding, a potential limitation is the "knowledge gap" which exists between the typical end user and the compiler/machine sub-system. In particular, the user often does not know how to write source code which wi ...

16 Spoken dialogue technology: enabling the conversational user interface 77%
ACM Computing Surveys (CSUR) March 2002
Volume 34 Issue 1

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only

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18 A case study in the performance and scalability of optimization algorithms 77%
Steven J. Benson , Lois Curfman McInnes , Jorge J. Moré
ACM Transactions on Mathematical Software (TOMS) September 2001
Volume 27 Issue 3

We analyze the performance and scalabilty of algorithms for the solution of large optimization problems on high-performance parallel architectures. Our case study uses the GPCG (gradient projection, conjugate gradient) algorithm for solving bound-constrained convex quadratic problems. Our implementation of the GPCG algorithm within the Toolkit for Advanced Optimization (TAO) is available for a wide range of high-performance architectures and has been tested on problems with over 2.5 million vari ...

19 Computing curricula 2001 77%
Journal on Educational Resources in Computing (JERIC) September 2001

20 Computer-based systems for cooperative work and group decision making 77%
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